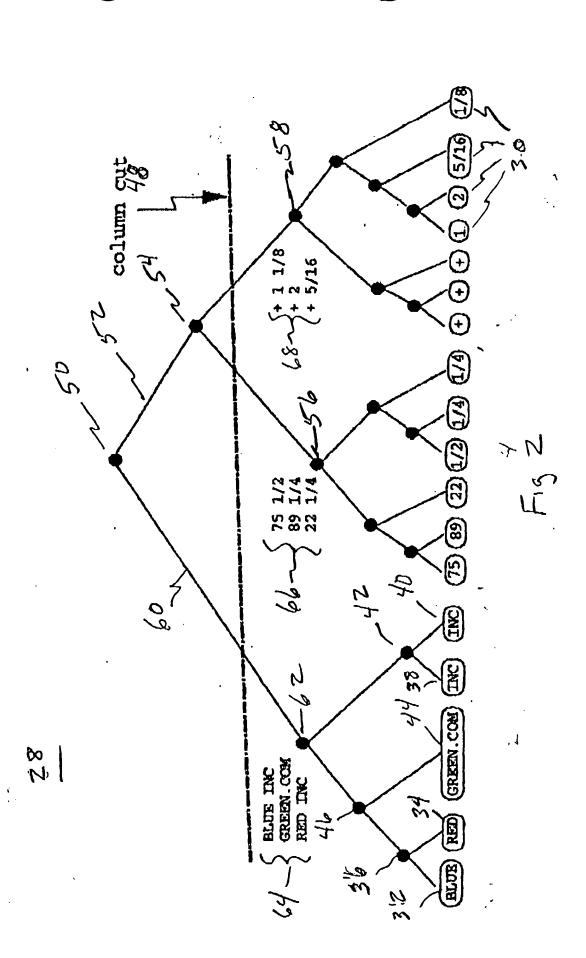


Fig. 1



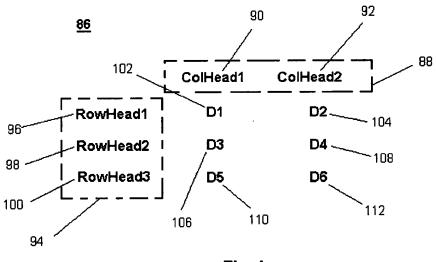


Fig. 4

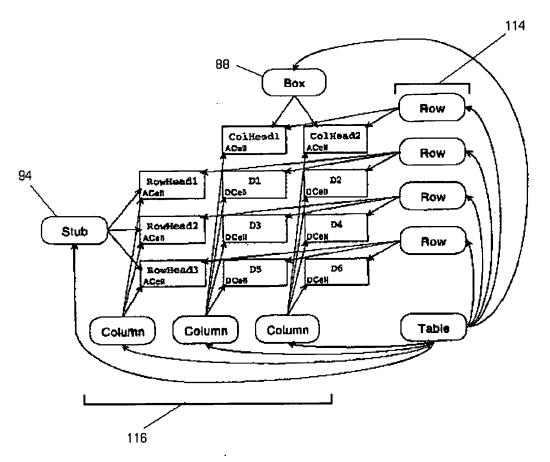
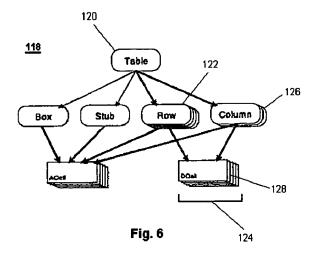


Fig. 5



```
Class 1 - questions about the graph structure (but not its content).
130 \
       Probe
132
       'How many nodes labeled Row?
       How many nodes labeled Column?
       Class 2 - involve the contents of ACells and DCells.
134
       Probe
136,
       Exists ACell with content RowHeadl?
138,
       Exists DCell with content D1?
       Exists DCell with content D6?
       Class 3 - mimic database-type queries
140 、
       Probe
142
       Content at RowHead1 x ColHead27
144 、
       Content at RowHend2 X ColHead1?
       Content at RowHead3 X ColHead1?
```

Fig. 7

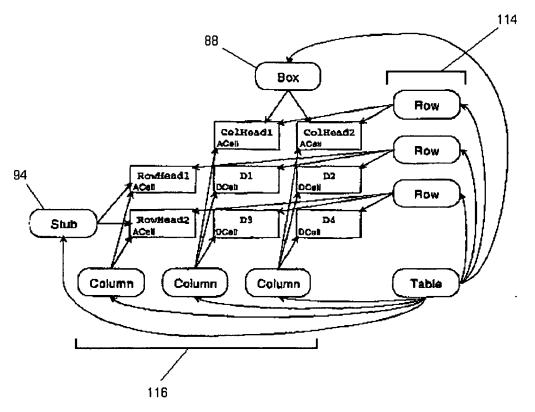


Fig. 8

Probe How many nodes labeled Row? How many nodes labeled Column?	Graph in Figure 1 4 3	Graph in Figure 3 3	yes vo yaxea
Class 2 - involve the contents of ACells and Probe Exists ACell with content RowHead1? Exists DCell with content D1? Exists DCell with content D6?	Graph in Figure 1 Yes Yes	Graph in Figure 3 yes yes	no Aea Aea Yünee;
Class 3 - mimic database-type queries Probe Content at RowHeadl X ColHead27 Content at RowHead2 X ColHead1? Content at RowHead3 X ColHead17	Graph in Figure 1 D2 D3 D5	Graph in Figure 3 D2 D3	Agree? yes yes no
		148	1

Fig. 9